

CORRIGAN LAW OFFICE

5 Briarcliff Court
Appleton, WI 54915

George R. Corrigan
Patent Attorney

(920) 954-1099
Fax (920) 954-1098
E-Mail: Corrigan@execpc.com

RECEIVED
CENTRAL FAX CENTER

JUN 15 2004

FAX COVER SHEET

Name: USPTO

Company: United States Patent and Trademark Office

Fax No.: (703)872-9306 Voice No.:

OFFICIAL

Dock. #: ITW 12843.60
Title: Method and Apparatus For Welding
Ser. #: 10/789,093

Note:
IDS

Total pages (including this sheet): 4

DATE/TIME TRANSMITTED: June 15, 2004 14:31

IF NOT ALL PAGES HAVE BEEN RECEIVED, OR THERE ARE ANY PAGES
MISSING, PLEASE CALL (920)954-1099

THE INFORMATION CONTAINED IN THIS FACSIMILE IS INTENDED ONLY
FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED
RECIPIENT(S) NAMED ABOVE. THIS MESSAGE MAY BE A PRIVILEGED
AND CONFIDENTIAL ATTORNEY CLIENT COMMUNICATION. IF THE
READER IS NOT THE INTENDED RECIPIENT YOU HAVE RECEIVED THIS
FACSIMILE IN ERROR, AND DO NOT READ FURTHER, COPY OR
DISTRIBUTE THIS DOCUMENT. IF YOU HAVE RECEIVED THIS
COMMUNICATION IN ERROR, PLEASE NOTIFY US BY TELEPHONE AND
RETURN THE ORIGINAL BY MAIL

RECEIVED
CENTRAL FAX CENTER

JUN 15 2004

OFFICIAL

PATENT

Attorney's Docket No. ITW 12843.60

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Holverson et al

Application No.: 10/789093

Group Art Unit: 1725

Filed: February 27, 2004

For: Method and Apparatus For Welding

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT


Enclosed with this Information Disclosure Statement is a FORM P.T.O. 1449 and identification of prior application(s) in which listed information was already cited and for which no copies are submitted or need be submitted.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8a)

I hereby certify that this correspondence is, on the date shown below, being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Date:

June 15, 2004


George R. Corrigan
Reg. No. 34,803

Page 1 of 3

Identification Of Prior Application(s) In
Which Listed Information Was Already Cited
And For Which No Copies Are Submitted Or Need
Be Submitted

U.S. Patent Application Serial No. 10/112980, filed March 29,
2002, entitled Method and Apparatus For Welding.

The following references were submitted to, and/or
cited by, the Office in the prior application(s) and, therefore,
are not required to be provided in this application:

| | | |
|-----------|----------|------------------|
| 3,309,490 | 3/1967 | Cary |
| 3,382,345 | 5/7/68 | Normando |
| 4,092,517 | 5/1978 | Woodacre |
| 5,225,660 | 7/9/93 | Mita et al. |
| 5,349,159 | 9/20/94 | Mita et al. |
| 5,824,992 | 10/98 | Nagarajan et al. |
| 5,857,141 | 1/5/99 | Keegan et al. |
| 5,990,445 | 11/23/99 | Ogasawara et al. |
| 6,114,657 | 9/5/00 | Hayes et al. |
| 6,207,927 | 3/01 | Mita et al. |

| | | |
|----------------|---------|---------------|
| EP 0644011A1 | 3/22/95 | Europe |
| DE 2758033 | 6/28/79 | Germany |
| DE 281978A5 | 8/29/90 | Germany |
| GB 2258958A | 2/24/93 | Great Britain |
| JP 55-77976 | 6/12/80 | Japan |
| JP 11-226730-A | 8/24/99 | Japan |
| JP 2892198-B2 | 5/17/99 | Japan |
| JP S56-128673 | 3/13/80 | Japan |

Advancements in DC and AC Low Current Pulse GMAW, T. Nacey & K. Pagano,
Panasonic Factory Automation, Franklin Park, IL

Wie funktioniert es - Schweißen mit rechteckförmigem Wechselstrom, R.Killing &
G. Kaulich, Solingen, derPraktiker 8/96

SENSARC PC350 EP/EN Ratio-Controllable GMA Welding Power Source Masashi OKADA,
Welding Equipment Robot Dept., Welding Div.

Summet Arc 1000 Miller® The Power of Blue February 1998

Research and development of variable polarity GMAW, PRACTICAL WELDING TODAY
July/August 1998

Subarc Technology Breakthrough Technology Increases Saw Deposition Rates
Welding Design and Fabrication 3/2002

Solid Wire AC Mig welding, Welding Research International Volume 8, 1978,
Number 2

Page 2 of 3

Miller VL-M4 Miller® The Power of Blue April 1998

RAD-400 And RAD-780 Miller® The Power of Blue June 2001

Metalloy X-CEL Gas-Shielded Metal-Cored Wire Information

SIGNATURE OF ATTORNEY

Reg. No.: 34,803

Tel. No.: (920) 954-1099

5 Briarcliff Court
Appleton, WI 54915

*DN*G:\WP51\DOCS\ITW\12843.60\idscipx1.wpd Monday, June 14, 2004 3:49PM

Page 3 of 3

Sheet 1 of 3.

| | | | | | | | |
|---|-----|---|----------|-------------------------------------|-------|-------------------------|-----------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent And Trademark Office | | ATTY. DOCKET NO. ITW 12843.60 | | SERIAL NO. 10/789093 | |
| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION | | | | APPLICANT Holverson et al | | | |
| | | | | FILING DATE February 27, 2004 | | GROUP 1725 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAM. INIT. | REF | PATENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
| | | 3,309,490 | 3/1967 | Cary | | | |
| | | 3,382,345 | 5/7/68 | Normando | | | |
| | | 4,092,517 | 5/1978 | Woodacre | | | |
| | | 5,225,660 | 7/9/93 | Mita et al. | | | |
| | | 5,349,159 | 9/20/94 | Mita et al. | | | |
| | | 5,990,445 | 11/23/99 | Ogasawara et al. | | | |
| | | 6,114,657 | 9/5/00 | Hayes et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| EXAM INIT | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO |
| | | EP 0644011A1 | 3/22/95 | Europe | | | |
| | | DE 2758033 | 6/28/79 | Germany | | | |
| | | DE 281978A5 | 8/29/90 | Germany | | | |
| | | GB 2258958A | 5/24/93 | Great Britain | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.) | | | | | | | |
| | | Advancements in DC and AC Low Current Pulse GMAW, T. Nacey & K. Pagano, Panasonic Factory Automation, Franklin Park, IL | | | | | |
| | | Wie funktioniert es - Schweißen mit rechteckförmigem Wechselstrom, R.Killing & G. Kaulich, Solingen, derPraktiker 8/96 | | | | | |
| EXAMINER | | DATE CONSIDERED | | | | | |
| EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

CONTINUATION OF INVENTION/TRANSMISSION (37 CFR 1.61)
 I hereby certify that this correspondence is,
 on the date shown below, being transmitted by
 facsimile to the Patent and Trademark Office (Fax No. (703)872-9306)

George R. Corrigan

*DN*G:\WPS1\DOCS\ITW\12843.60\1449IDS1.wpd Monday, June 14, 2004 2:44PM

Sheet 1 of 1.

| | | | | | | | |
|---|--|--|--|---|--|--------------------------------|--|
| Form PTO-1449 | | U.S. Department of Commerce Patent And Trademark Office | | ATTY. DOCKET NO. ITW 12843.60 | | SERIAL NO. 10/789093 | |
| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION | | | | APPLICANT Holverson et al | | | |
| | | | | FILING DATE February 27, 2004 | | GROUP 1725 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|------------------|------|------|-------|---------------|----------------|
| EXAM. INIT. | REF | PATENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
| | | | | | | | |
| | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----|--------------------|---------|---------|-------|---------------|-------------|
| EXAM INIT | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION |
| | | | | | | | |
| | | JP 55-77976 | 6/12/80 | Japan | | | |
| | | JP11- 226730A | 8/24/99 | Japan | | | |
| | | JP2892198- B2 | 5/17/99 | Japan | | | |
| | | JP S56- 128673 | 3/13/80 | Japan | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.) | |
|--|--|
| | SENSARC PC350 EP/EN Ratio-Controllable GMA Welding Power Source Masashi OKADA, Welding Equipment Robot Dept., Welding Div. Summit Arc 1000 Miller® The Power of Blue February 1998 Research and development of variable polarity GMAW, PRACTICAL WELDING TODAY July/August 1998 Subarc Technology Breakthrough Technology Increases Saw Deposition Rates Welding Design and Fabrication 3/2002 |
| | |
| | |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.60)
 I hereby certify that this correspondence is,
 on the date shown below, being transmitted by
 facsimile to the Patent and Trademark Office (Fax No. (703)872-9306)

George R. Corrigan

*DN*G:\WP51\DOCS\ITW\12843.60\1449ID32.wpd Monday, June 14, 2004 3:39PM

Sheet 3 of 3.

| | | | | | | | |
|---|--|--|--|---|--|--------------------------------|--|
| Form PTO-1449 | | U.S. Department of Commerce Patent And Trademark Office | | ATTY. DOCKET NO. ITW 12843.60 | | SERIAL NO. 10/789093 | |
| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION | | | | APPLICANT Holverson et al | | | |
| | | | | FILING DATE February 27, 2004 | | GROUP 1725 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|------------------|--------|------------------|-------|---------------|----------------|
| EXAM. INIT. | REF | PATENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
| | | 5,824,992 | 10/98 | Nagarajan et al. | | | |
| | | 5,857,141 | 1/5/99 | Keegan et al. | | | |
| | | 6,207,927 | 3/01 | Mita et al. | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----|--------------------|------|---------|-------|---------------|-----------------------|
| EXAM INIT | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.) | |
|--|---|
| | Solid Wire AC Mig welding, Welding Research International Volume 8, 1978, Number 2 |
| | Miller VL-M4 Miller® The Power of Blue April 1998 |
| | RAD-400 And RAD-780 Miller® The Power of Blue June 2001 |
| | Metalloy X-CEL Gas-Shielded Metal-Cored Wire Information |
| | |
| | |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.9)
 I hereby certify that this correspondence is,
 on the date shown below, being transmitted by
 facsimile to the Patent and Trademark Office (Fax No. (703) 872-9306)

George R. Corrigan

*DN*G:\WP51\DOCS\ITW\12843.60\1449IDS3.wpd Monday, June 14, 2004 3:46PM